

**To:** EOC ORD[EOC\_ORD@epa.gov]  
**From:** Garrahan, Kevin  
**Sent:** Wed 8/12/2015 3:41:05 PM  
**Subject:** Fw: proposed modeling for Animas spill

---

**From:** Garrahan, Kevin  
**Sent:** Wednesday, August 12, 2015 11:40 AM  
**To:** Sayles, Gregory; Koglin, Eric  
**Cc:** Kavlock, Robert; Smith, Terry  
**Subject:** Re: proposed modeling for Animas spill

Hi Greg,

I just got out of a meeting with EOC team that also included Reggie, Bob, and Tom. Reggie mentioned the challenge of not having much information about the location of the plume now that the color has dissipated and I mentioned that ORD has drafted a proposal to conduct fate and transport modeling of contaminants. Reggie and others were receptive to the offer and would like ORD to begin this task.

Kevin

EOC/ORD: 202-250-8924

---

**From:** Sayles, Gregory  
**Sent:** Wednesday, August 12, 2015 8:23 AM  
**To:** Koglin, Eric; Garrahan, Kevin  
**Cc:** Kavlock, Robert  
**Subject:** Re: proposed modeling for Animas spill

Eric / Kevin - early in this incident, there was interest in bring modeling to bear. This is a nice summary and offer to model. The modeling appears to be a relatively long-term effort (months). Do you know if a modeling effort or request by EPA that could be informed by this write up? Or who would be the right person/group to give this to to most helpful?

Greg

Gregory Sayles  
EPA's Homeland Security Research  
513-569-7607 desk-513-305-9984 cell

On Aug 12, 2015, at 8:10 AM, Sayles, Gregory <[Sayles.Gregory@epa.gov](mailto:Sayles.Gregory@epa.gov)> wrote:

Gregory Sayles  
EPA's Homeland Security Research  
513-569-7607 desk-513-305-9984 cell

Begin forwarded message:

**From:** "Orme-Zavaleta, Jennifer" <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>  
**Date:** August 12, 2015 at 8:08:45 AM EDT  
**To:** "Sayles, Gregory" <[Sayles.Gregory@epa.gov](mailto:Sayles.Gregory@epa.gov)>, "Burke, Thomas" <[Burke.Thomas@epa.gov](mailto:Burke.Thomas@epa.gov)>, "Kavlock, Robert" <[Kavlock.Robert@epa.gov](mailto:Kavlock.Robert@epa.gov)>  
**Cc:** "Garland, Jay" <[Garland.Jay@epa.gov](mailto:Garland.Jay@epa.gov)>, "Watkins, Tim" <[Watkins.Tim@epa.gov](mailto:Watkins.Tim@epa.gov)>  
**Subject:** proposed modeling for Animas spill

See attached developed by our Athens modelers. Let us know if there are other issues/questions we should consider and how we can help. We have a team standing by if needed

<Proposed Exposure Modeling\_Animas River Mine Waste Spill\_vs 2.docx>